

MOBILE PHONE AND RELATED METHOD FOR MATCHING ANTENNA WITH DIFFER- ENT MATCHING CIRCUITS FOR DIFFER- ENT BANDS

Abstract

An apparatus and related method for matching antenna pattern to the mobile phone. The mobile phone includes an antenna, at least one radio frequency (RF) circuit and a diplexer for relaying signals of the RF circuits to the antenna. Each RF circuit has its own matching circuit, such that the antenna performance for receiving and transmitting signals can be independently adjusted without affecting each other.